

Local Government Operations Protocol
Chapter 10: Wastewater Treatment Facilities

Errata sheet, 09-23-2008

The following corrections were made to the current version of the protocol (underlined text has been added, ~~struck-through text~~ has been removed, normal text remains the same).

Page	Equation	Correction
101	n.a.	<p>Equation 10.1 should be used by local governments that collect measurements of the volume of digester gas (biogas) produced and the fraction of CH₄ in their biogas in accordance with local, state, and/or federal regulations or permits, or published industry standardized sampling and testing methodologies (e.g., ...).²⁵</p> <p>If these site-specific data are not available, you should use Equation 10.2 to estimate this source of emissions.</p> <p><u>Please note if significant industrial contributions of BOD₅ are discharged to your municipal treatment system, the Protocol recommends using Equation 10.1 instead of Equation 10.2 to more accurately account for the increase in BOD₅ from industrial discharges.</u></p>
102	n.a.	<p>If these site-specific data are not available, you should use Equation 10.4 to estimate this source of emissions.</p> <p><u>If significant industrial contributions of BOD₅ are discharged to your municipal treatment lagoons, you should use Equation 10.3. Alternatively, you can adjust the population served in Equation 10.4 to account for the industrial contribution. The industrial-equivalent population is calculated based on the total BOD₅ discharged by industry to the municipal treatment system, expressed in kg of total BOD₅ per day divided by the BOD₅ population equivalent of 0.090 kg BOD₅/person/day.</u></p> <p><u>The industrial-equivalent population is added to the domestic population served by the centralized wastewater treatment system, and the total population (domestic plus industrial-equivalent) is the value you should use in Equation 10.4, as appropriate.</u></p>
103	10.4	P = population served by lagoons <u>adjusted for industrial discharge, if applicable</u> [person]
103	10.4	Bo = maximum CH ₄ -producing capacity for domestic wastewater [kg CH ₄ /kg BOD ₅ <u>removed</u>]
104	10.5	Bo = maximum CH ₄ -producing capacity for domestic wastewater [kg CH ₄ /kg BOD ₅ <u>removed</u>]
104	10.6	Bo = maximum CH ₄ -producing capacity for domestic wastewater [kg CH ₄ /kg BOD ₅ <u>removed</u>]

105	n.a.	10.3.2.3 Process Emissions from Effluent Discharge <u>to Rivers and Estuaries</u>
106	n.a.	<p><u>If significant industrial contributions of nitrogen are discharged to your municipal treatment system, you should use Equation 10.9. Alternatively, you can adjust the population served in Equation 10.10 to account for the industrial contribution.</u></p> <p>Please note that in Equation 10.9, the population served needs to be modified to include contributions from industry if significant industrial contributions of nitrogen are discharged to your municipal treatment system. The <u>industrial</u>-equivalent population from industry is calculated based on the total nitrogen discharged by industry to the municipal treatment system, expressed in kg of total nitrogen per day divided by the nitrogen population equivalent of 0.026 kg N/person/day.</p> <p>The industrial-equivalent population is added to the domestic populations served by the centralized wastewater treatment system, and the total population (domestic plus industrial-equivalent) is the value you should use in Equations 10.9 <u>10.10</u>, as appropriate.</p>
107	10.10	Term: F_{ind-com} — Description: factor for industrial and commercial co-discharge of protein into the sewer system — Value: 1.25